

**GEAR-REDUCTION DEVICE, PARTICULARLY FOR MEASURING
AND TRANSMITTING ROTARY AND SWIVEL MOVEMENTS**

ABSTRACT OF THE DISCLOSURE

1 A gear-reduction device for measuring and transmitting
2 the movements of a rotary object has a sequential arrangement of
3 wheel/pinion pairs. Each wheel/pinion pair consists of a gear
4 wheel and a pinion that are rigidly connected to a common gear
5 axle. At least part of the gear wheels lie in different
6 parallel planes that are inclined at an oblique angle in
7 relation to the plane of rotation of the rotary object. The
8 gear wheels are of equal diameter, and each of the pinions
9 drives the next following gear wheel. The first wheel in the
10 sequence of wheel/pinion pairs is driven by the rotary object,
11 while the last of the pinions drives a swivel-mounted optical
12 angle-measuring device.

(Fig. 1)